and is pressed down by an amount of 0.1 mm to 2 mm, with pressure being applied as it is moved. In this way, before performing the peeling, it is important to create a portion where peeling can occur easily, which serves as a starter. By performing the preprocessing in which the selective (partial) reduction of the adhesion takes place, defective peelings are eliminated and yield is improved.

[0153] Next, the second substrate 835 and the layer to be peeled 833 are adhered to each other using the first adhesive 834. (See FIG. 8B). The first adhesive 834 may be a reactive-curing type adhesive, a thermal-curing type adhesive, an ultraviolet-curing type adhesive or other such photocuring type adhesive, or may be an aerophobic-type adhesive, or other various types of curing adhesive. Moreover, these adhesives may be soluble such that they dissolve in a solvent, and/or may be photosensitive such that their adhesiveness decreases when irradiated with light. The composition of these adhesives may be, for example, epoxy-type, acrylic-type, silicon-type or anything else. The application of the adhesive may be carried out by a coating method, for example. Note that, the first adhesive is removed in subsequent steps. Here, a soluble adhesive material which can dissolve in a solvent is used as the fist adhesive.

[0154] Further, instead of the first adhesive 834, a tape having adhesive on one or both of its surfaces may be used. The tape may include on one or both of its surfaces an adhesive which is soluble so as to dissolve in a solvent, or is photosensitive so as to lose adhesiveness when irradiated with light.

[0155] The second substrate 835 may be constituted by a glass substrate, a quartz substrate, a ceramic substrate, a plastic substrate or the like. Further, it is also possible to use a semiconductor substrate such as a silicon substrate, or a metallic substrate such as a stainless steel substrate.

[0156] The present embodiment employs a highly rigid quartz substrate (thickness: 1.1 mm) for the second substrate 835, having a thickness larger than the first substrate 830. In the case where a plastic film is used for the second substrate, when the elements formed onto the first substrate 830 are transferred onto the plastic film—which is to say when the layer to be peeled 833 and the film are adhered to each other by the first adhesive 834 and the film is lifted up—there was a risk that the film will bend and cause cracks to form in the layer to be peeled 833. Therefore, after fixing the layer to be peeled 833 formed over the first substrate 830 to the rigid second substrate 835 with the first adhesive 834, the first substrate 830 is peeled. Then, after the plastic film (i.e., the third substrate 837) is fixed to the layer with the second adhesive 836, the second substrate 835 is removed. By following this procedure, it becomes difficult for cracks to

[0157] Next, peeling is performed from the above-mentioned region where the adhesiveness has been reduced, and the first substrate 830 having the first material layer 831 is separated by using a physical means (FIG. 8C). Since the second material layer 832 exhibits compressional stress and the first material has tension stress, the separation can be achieved with relatively little force (such as the force of a human hand, or wind pressure of gas blown from a nozzle, or ultrasonic waves, etc.).

[0158] Thus, the layer to be peeled 833 formed onto the second material layer 832 can be separated from the first material layer 830. FIG. 8D shows the post-peeled state.

[0159] Next, the third substrate 837 and the second material layer 832 (and the peeled layer 833) are adhered together with the second adhesive 836. (See FIG. 8E). It is important that the second adhesive 836 has greater adhesive force than the first adhesive 834.

[0160] The second adhesive 836 may be a reactive-curing type adhesive, a thermal-curing type adhesive, an ultraviolet-curing type adhesive or other such photo-curing type adhesive, or may be an aerophobic-type adhesive, or other various types of curing adhesive. Moreover, these adhesives may be soluble such that they dissolve in a solvent, and/or may be photosensitive such that their adhesiveness decreases when irradiated with light. The composition of these adhesives may be, for example, epoxy-type, acrylictype, silicon-type or anything else. The application of the adhesive may be carried out by a coating method, for example. Note that, the second adhesive becomes one support for the layer to be peeled at a subsequent step. For the second adhesive 836, a material is used which will achieve a high degree of adhesion between the third substrate and the second adhesive, and also between the second adhesive and the layer to be peeled. Here, an ultraviolet-curing type adhesive is used for the second adhesive 836.

[0161] Further, in the case where the second adhesive 836 is made of a material which is soluble so as to dissolve in a solvent, or is photosensitive such that it loses adhesive strength when exposed to light, it becomes possible to peel the third substrate at a later step, and it is possible for only the second adhesive to serve as the support. Further, instead of the second adhesive 836, it is possible to use a tape having adhesive on one or both of its surfaces. The surface or surfaces of this tape may have an adhesive which is soluble so as to dissolve in a solvent, or photosensitive such that its adhesive strength decreases when the tape is exposed to light.

[0162] A flexible substrate may be used for the third substrate 837. The present embodiment employs a plastic film for the third substrate 837.

[0163] Once the situation shown in FIG. 8E is achieved, it is then soaked in the solvent and only the second substrate 835 is removed. (See FIG. 8F). Since the first adhesive is a soluble adhesive material, the second substrate 835 is removed easily, thus separating the second substrate 835 and the layer to be peeled 833.

[0164] Further, an input/output terminal of the element contained in the layer to be peeled 833 is formed so as to be exposed from the topmost layer (i.e., the layer closest to the second substrate side) of the layer to be peeled. Therefore, after the step of separating the second substrate, it is preferable that the first adhesive is completely removed from the surface of the layer to be peeled so that the input/output terminal portion can be exposed.

[0165] Further, in the present embodiment, there is shown the example in which the soluble adhesive material is used for the first adhesive 834 such that it dissolves in a solvent and in which the second substrate is soaked in the solvent and removed. However, the invention is not particularly restricted to this configuration. For example, a thermal-curing type adhesive (which loses adhesive strength when irradiated with ultraviolet light) may be used for the first adhesive, and ultraviolet rays may be radiated to thereby remove the second substrate.